Bachelor of Science (BS) Non-Teaching  Program of Study for Statistics Majors
Degree Code 289A  STATISTICS

Student Name: __________________________________________                                                    Date________________

I. GENERAL EDUCATION CURRICULUM .......................................................................................................................44
Math 1110 will count toward Quantitative Literacy general education requirement.

II. MAJOR REQUIREMENTS (not including 4 s.h. counted in Area I, above)..................................................................................................................61
2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.
An acceptable program of at least 65 semester hours but no more than 80, with a minimum of 34 hours in the Department of Mathematical Sciences.

A. Mathematics (15 hours)
MAT 1110 _____ (4) Calculus w/ Analytic Geometry I (Pre: MAT 1025 w/min grade C-)
MAT 1120 _____ (4) Calculus w/ Analytic Geometry II (Pre: MAT 1110 w/min grade C-)
MAT 2130 _____ (4) Calculus w/ Analytic Geometry III (Pre: MAT 1120 w/min grade C-)
MAT 2240  _____ (3) Introduction to Linear Algebra (Pre: MAT 1120)

B. Statistics (17-18 hours)
Choose one series:
STT 3820 _____ (3) Statistical Methods I (Pre: STT 2810 or 2820) and STT 3830_____ (3) Statistical Methods II (Pre: STT 3820)
OR
(*this sequence is preferred over the STT 3820 & 3820 sequence)

AND
STT 4830 _____ (3) Linear Regression Models (Pre: MAT 2240, STT 3830)
STT 4860 _____ (3) Probability Models & Statistical Inference I (Pre: MAT 2130)
STT 4865 _____ (3) Statistical Inference II (Pre: STT 4860)
STT 4870  _____ (2) Senior Seminar in Statistics [CAP]

C. Select one (3 hours)
STT 3840 _____ (3) Elementary Probability and Survey Sampling (Pre: STT 2810 or 2820)
STT 4820 _____ (3) Design and Analysis of Experiments (Pre: STT 3820)

D. Five or six hours of approved electives** in Mathematical Sciences and 6 hours of related* coursework to bring total
hours in AREA II to 65 hours.

E. A “concentration” of at least 18 semester hours from disciplines outside mathematical sciences.**

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*Related coursework may be outside mathematical sciences and must be approved by advisory committee
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III. MINOR (optional)

IV. ELECTIVES (taken to total 122 hours for the degree) ..................................................................................................................17
2 semester hours of free electives must be outside the major discipline 122